



# **Volatizer® VM3™**

## **User's Manual**

**CHIRO-TEC INC.  
612 Calle Plano  
Camarillo, CA, 93012  
U.S.A.**

**1-800-485-7305**

**[www.volatizer.com](http://www.volatizer.com)**

**[www.vm3revolution.com](http://www.vm3revolution.com)**

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## **VOLATIZER® VM3™ USER'S MANUAL**

Welcome to the VM3 Revolution™ and congratulations! You have just purchased the most compact and efficient vaporization device available. The Volatizer® VM3™ is different than anything you've used before. Its patented, rapid-onset and smokeless nature, and its easy to use design, is revolutionizing the vaporization industry. Protected by U.S. and foreign patents, with additional patents pending, the Volatizer® VM3™ represents the cutting edge of vaporization. Developed after years of research, with its concealable mouthpiece, state of the art Lithium Ion Polymer [LiPB] battery, temperature control unit [CPU], built-in safety features and ergonomic design, the VM3™ is the only pocket size, battery operated, rechargeable vaporizer on the market. No more burning. No more water filled containers. No more balloons. No more hoses. No more attached power cords. Whether your interest is in aromatherapy, medicinal herbs, essential oils or tobacco, frequently referred to here as constituents, the VM3™ represents phyto-inhalation at its best!

### **IDENTIFICATION OF FEATURES**

Before using the VM3™ please familiarize yourself with its various controls and components (See Figures 1 & 2) as well as the accessories that came with the unit.

Each VM3™ comes with a custom lockable case, a charger, extra ceramic vaporization chambers and a cleaning kit.

FIG. 1

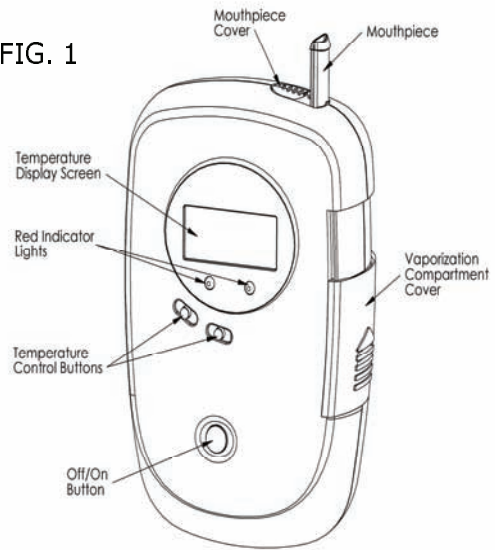
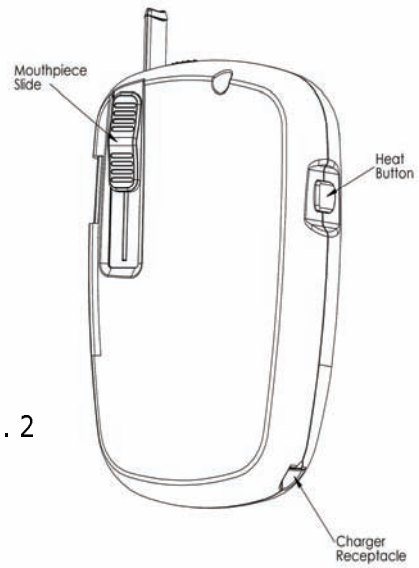


FIG. 2



## QUICK START TIPS AND REMINDERS

1. Safety Feature: The VM3™ cannot be turned on unless the mouthpiece is fully extended. Retracting the mouthpiece and closing the mouthpiece cover automatically turns off the unit.
2. Safety Feature: The heating element cannot be energized and will not function if the cover of the vaporization chamber compartment is open or not completely closed.
3. Charge the VM3™ before using! See “Charging and Recharging the Unit” on page 15 for more instructions. The VM3™ may be used while the charger is plugged in as well.
4. Do not drop, disassemble, misuse the VM3™ or expose to extreme heat, cold, liquids or moisture.
5. Most herbs and tobaccos vaporize a 190°-250° C (Celsius/Centigrade). However, moisture content, potency and the essential ingredients of botanical constituents vary. No two constituents are the same. Therefore, you must experiment with different amounts and temperature settings to optimize yield. Always begin with a small amount and a lower temperature setting and work your way up. Do not exceed a temperature of 250° C.
6. Inhale slowly and deeply. Keep the heat button depressed as you inhale. If the outside or ambient air is colder than normal, set the temperature 10° - 20° higher to compensate. **Note: The first time you use the VM3™ you may think that it is not working. It is. It's just subtle and very efficient. Therefore, give it some time and do not simply repeat the loading and inhalation cycle which could result in an**

overdose of constituent. This is particularly true using tobacco.

7. Clean the mouthpiece with an alcohol wipe between use.
8. Clean the ceramic vaporization chamber, the vaporization chamber compartment and the internal screens after use.
9. Retract mouthpiece and close mouthpiece cover after use to turn off unit and conserve the battery.
10. Only use constituents that you are familiar with and that are free from additives, contamination or pesticides.
11. Be extremely cautious vaporizing tobacco. Nicotine is a poison. A nicotine overdose can be fatal. Do not use more than one ceramic vaporization chamber of tobacco every 4 hours until you have greater experience with the VM3™. Never under any circumstances should more than one ceramic vaporization chamber of tobacco be used in a 30 minute period.
12. Do not use the VM3™ or any other vaporizer if you are pregnant, ill or under a doctor's care.
13. Do not allow children or minors to use or handle the VM3™.
14. Please review our websites at [www.volatizer.com](http://www.volatizer.com) and [www.vm3revolution.com](http://www.vm3revolution.com) to completely familiarize yourself with all Volatizer® products, educational materials, and scientific references.

## **MOST COMMON MISTAKES IN USING THE VM3™**

1. **Using too much herb or tobacco.** Less is better. Packing the ceramic chamber defeats the vaporization process and wastes product.
2. **Neglecting to finely grind the herb or tobacco.** The more finely ground the constituent, the easier it is for the essential ingredients to be vaporized.
3. **Inhaling too quickly.** Inhale slowly and deeply for 20-30 seconds then hold breath for 10 seconds before exhaling.
4. **Forgetting to hold the heat button down as you inhale.** Holding the heat button maintains the proper temperature during the inhalation process.
5. **Covering the air intake slots with your thumb.** As you inhale you are drawing outside air through the air intake slots in the vaporization chamber cover. Covering the slots with your thumb prevents proper air flow.
6. **Failing to keep the internal screens clean.** In order to maintain proper air flow, you must make sure there is no debris or residue blocking the internal screens. A clogged screen prevents the proper flow of vapor.

## **GENERAL USE AND OPERATION OF THE VM3™**

To use, slide the mouthpiece cover into the open position. Extend the mouthpiece by pressing up on the mouthpiece slide. PLEASE NOTE: AS A SAFETY FEATURE THE VM3™ CANNOT BE TURNED ON UNLESS THE MOUTHPIECE IS EXTENDED AND THE VAPORIZATION CHAMBER COVER COMPLETELY CLOSED! To load the VM3™, slide the vaporization compartment cover up. (See Fig.1) The ceramic vaporization chamber can then be inserted into the unit or if there is already a vaporization chamber in the unit it will then be partially ejected so it can be removed and reloaded. (See Fig. 3)



**FIG. 3**

The VM3™ comes with ten ceramic vaporization chambers. All ten have a mesh screen at the bottom. Five also have mesh lids. The mesh screens help ensure that loose tobacco or herbs do not touch the heating element or interfere with the various vaporization chamber components. The mesh lids are included for those who prefer to preload their tobacco or herb ahead of time and carry the unit and the extra vaporization chambers in the soft carrying case which is included with each unit. For convenience, many users do not use the mesh lids. If you prefer to not use the mesh lids, do not shake the unit once it's loaded or turn it upside down. This will help keep any debris off of the upper screen.

To load the VM3™ place a very small amount of tobacco or herb in the ceramic vaporization chamber. Unlike smoking where 80%-90% of the essential ingredients are burned off and never absorbed by the lungs, vaporization is very efficient. Therefore, begin with a small amount of constituent and work your way up to that amount which satisfies your personal needs. For most finely ground herbs, begin with an amount equivalent to the size of an aspirin tablet.

As indicated earlier, most herbs and tobacco vaporize at 190°-250° C. However, the moisture content, potency and essential ingredients of botanical constituents vary. No two constituents are the same. Therefore, you must experiment with different amounts and temperature settings to optimize yield and achieve peak performance from your VM3™. When it comes to vaporization, less is better. Do not exceed 250° C since tobacco and most



herbs will incinerate or burn at 255° which, of course, defeats the whole purpose of vaporization.

If using an essential oil, place no more than one drop of the oil on the cotton insert in one of the vaporization chambers. Most essential oils are very strong; therefore, usually only a much smaller micro-drop is needed. The VM3™ comes with some sample cotton inserts. Any common drugstore sterile surgical cotton will do. Simply tear off a small amount, roll it into a ball and insert it into one of the vaporization chambers. Replace cotton after use.

After loading the constituent into the ceramic vaporization chamber, insert the vaporization chamber into the VM3™ with your thumb while sliding the vaporization compartment cover down. (See Fig. 3) You can remove your thumb as the lower edge of the vaporization compartment cover passes the upper edge of the ceramic vaporization chamber. Continue sliding the cover down until it completely closes. The resistance you feel in sliding the vaporization compartment cover into the closed position is normal since in doing so an internal mechanism seats and seals the various vaporization chamber components.

To turn on the unit, extend the mouthpiece as described above and press the OFF/ON button. As soon as you turn on the unit, the word "NOM" and numbers will be displayed on the screen. The first number you see will be the nominal or actual temperature in degrees Celsius in the vaporization chamber. You can then set the

temperature you want to reach by pressing the temperature increase (left) or decrease (right) buttons located immediately below the display screen. Press once to go up or down one degree, or hold down for faster adjustment of the temperature setting. When setting the temperature, the screen will display the word "set" at the top and a blue backlight. The last temperature displayed after releasing the temperature increase or decrease button will automatically be the preset temperature of the unit until adjusted again. After about 10 seconds, the display will show the real time or actual temperature again; however, the CPU's memory will retain the preset temperature.

To begin the vaporization process, depress and hold the HEAT activation button. When the HEAT button is depressed, the right red indicator light under the display screen will go on to indicate that the heating element is on. You can follow the temperature increase in the display screen.

As soon as the vaporization chamber reaches the preset temperature, the heating element automatically shuts off and the red indicator light turns off. Now, just as you would if you were smoking a pipe or using a cigarette holder, slowly and deeply inhale the vapor through the mouthpiece for 10-20 seconds, hold for 10 seconds then slowly exhale. Be sure and keep the heat button depressed as you inhale to maintain the preset temperature in the vaporization chamber. As you inhale the cooler outside or ambient air through the vaporization chamber, the internal sensors will energize the heating element to maintain the

desired temperature. You can see this process occur as you inhale during which time the right red light under the display screen will come back on. If the outside air is much colder than normal, set the temperature 10° to 20° higher to compensate.

Remember, the Volatizer® VM3™ is different than anything you've used before. Because there's no smoke or harshness associated with the burning of medicinal herbs or tobacco, at first you'll think that it's not working. It is! It's just subtle. Use a slow deep inhalation. Inhale for 20-30 seconds; hold your breath for 10 seconds. Since it's pure vapor, there's a slight delayed reaction.

Do not attempt to remove the ceramic vaporization chamber immediately after using the unit since it can get hot during the vaporization process. As indicated in these instructions, the heating chamber can reach a temperature as high as 280° C. Therefore, wait a few moments until it cools down. The amount of time you have to wait for the vaporization chamber to cool down will depend upon the temperature you preset in the device. In most cases, after a few moments it will be only warm to the touch. Take your time. Better safe than sorry.

Once the ceramic vaporization chamber has cooled down and is no more than warm to the touch, you can remove it from the unit and remove the constituent which will appear dried out and brownish in color. If any of the constituent or debris does not shake out or cannot be gently blown out, it can be removed with the brush or

tweezers from the cleaning kit supplied with every VM3™. If using an essential oil, replace the cotton insert

When in use the VM3™ will be warm to the touch. This is normal. The VM3™ is powered by a high capacity, state of the art, Lithium Ion Polymer [LiPB] battery. It takes a considerable amount of power to energize the heating element and reach the temperature necessary to vaporize the essential ingredients of most herbs and tobacco. Therefore, always allow the VM3™ to cool down after each use or session.

The VM3™ is designed for personal, individual use. It should not be used in rapid succession. To avoid any problems in this regard, there is an additional internal safety mechanism that will shut off the power before the temperature of the VM3™ housing or case approaches too high a temperature. For rapid, repeated or multi-use we recommend that you use the Volatizer® M2 Model which can better accommodate a group or clinical setting

Always remember most herbs and botanicals contain dozens if not hundreds of different compounds, each of which may vaporize at a different temperature. Therefore, only through practice and experimentation will you be able to determine just what you are looking for in using the constituent in question.

As to the temperature in the heating chamber, there are sensors within the device that ensure that the desired temperature will be reached as well as not exceeded. For example, even though you are depressing the HEAT

button, if the temperature in the heating chamber is higher than the setting temperature, the heating element will automatically shut down. Likewise, as soon as the heating chamber temperature falls below the preset temperature, the heating element will switch back on as long as you are still depressing the HEAT button. When the heating element is off and not being energized, the right red indicator light under the display screen will be off. When the heating element is energized or on, the light will be on.

The number of inhalations per single dose of tobacco, herb or essential oil depends upon the amount you use, the temperature setting, and the user's lung capacity. For some constituents, one or two inhalations may be all that is necessary to extract all of the essential ingredients. Other constituents may require multiple inhalations. As you become more familiar with the device and the constituent you are using in it, you will be in a better position to anticipate the best number of inhalations. The same can also be said as to temperature settings.

Aromatherapy is an ancient art. Likewise, the literally hundreds of essential oils and herbs available are very different as to their various qualities, the amount to be used, application, and the temperature of vaporization. Therefore, do not use any essential oils or herbs without professional advice and proper research. There are many references concerning the use and application of herbs and essential oils in our website, [www.volatizer.com](http://www.volatizer.com). Be sure and study these before using the VM3™.

So as to accommodate the widest variety of herbal or botanical products, and different mixtures and moisture contents of botanical products and botanical extracts, the VM3™ is engineered to function in a temperature range of from 10° C to 280° C. However, most botanicals, particularly tobacco and medicinal herbs, will char or burn at temperatures higher than 255° C. Therefore, **unless you are a trained herbalist or know the specific temperature for vaporizing the constituent, do not set or use a temperature higher than 250° C** which is below the ignition or burning point of the most commonly used botanicals and herbs. In most cases; however, there is no need to use such a high temperature.

**Volatile oils, such as camphor and mint, vaporize at temperatures as low as 30°-60° C. The ingredients in many herbs vaporize at only 100°-150° C. The nicotine in tobacco, for example, vaporizes at about 200°-225° C. Likewise, the most common medicinal herbs vaporize at 180°-210° C.**

However, as noted above, a lot depends upon the moisture content of the constituent, the type or blend of essential oil or botanical, and the personal preferences of the user.

Only through experimentation can the user determine what temperature is best for a particular constituent. For some herbs and botanicals, one inhalation will exhaust the essential ingredients while others will require more. You may be able to “push” the vaporization process further and achieve a second or third inhalation by increasing the

temperature. However, “pushing” the process often results a slightly different by-product and a different “taste” since different compounds vaporize at different temperatures. Experimentation and personal preference will determine what is best for each user.

## **CHARGING AND RECHARGING THE UNIT**

Before using the VM3™ on battery you will need to charge the unit. To do so, plug the charger into a standard 120 AC outlet and insert the plug from the adaptor into the charger receptacle or socket at the bottom of the VM3™. When the unit is being charged, a red indicator light on the display screen and the left red light under the display screen will be lit to indicate that the charger is connected and charging is in progress. In addition, the charger will display a green light to indicate that it is operating.

When the battery is fully charged, a green light on the display screen will be illuminated. When the charger is removed, the red indicator lights will go off. To ensure that the unit is fully charged before its initial use, keep the charger plugged in overnight.

How long the charge will last depends upon temperature settings and use. The higher the temperature and the greater or more frequent the use, the shorter the period of time before the unit needs to be recharged. When one of the red indicator lights under the display begins to wink or the unit makes a beeping sound, it indicates the battery is low and needs to be recharged. The battery can be recharged

a minimum of 300 times. Since the VM3 is designed for personal, individual use, one charge will usually last several days. Therefore, the battery should last over a year before it has to be replaced. Please note, like many modern battery powered devices, the VM3™ is never completely off. It is always in a sleep mode so as to maintain the last temperature setting. Therefore, if not used regularly, the battery will eventually discharge and require recharging. To ensure a longer battery life, be sure and turn the unit off after you use it. The charger can also be used to supply the power directly just as you might use a power supply directly to a cell phone or digital camera while it is charging. If you use the power supply in this manner, the left red indicator light and the red light in the display window will stay on.

**CAUTIONS:** While virtually all modern battery powered items like cameras, cell phones, motorized toys, portable audio and video devices, and lap top computers use Lithium Ion batteries, these batteries are very powerful and must be treated accordingly. They should always be protected against contact with water, liquids, moisture and extreme heat. If punctured or damaged they can catch fire. Therefore, only use the dedicated charger, never attempt to remove the battery from the unit, and never charge any battery in a location that doesn't have a smoke alarm. The VM3™ has a number of built-in safety features to prevent overcharging or overheating; however, as with all battery powered devices,



standard safety precautions should always be observed.

### **FAQ's**

*When I press the OFF/ON power button, why is no information displayed on the screen?*

**Answer:**

- a) The battery is low or discharged and needs to be recharged.
- b) The mouthpiece cover is closed and the mouthpiece not extended.
- c) The vaporization compartment cover is open or not completely closed.
- d) There is some malfunction in the circuitry. [Following the instructions below, return to Chiro-Tec Inc. for repair or replacement.]

*When I press the power button, there are numbers shown on the display screen but when I press the heating button the right indicator light does not go on and the temperature shown on the display does not change. Why is that?*

**Answer:**

Check the setting temperature. When the difference between the setting temperature and real temperature is less than 10° C, the heating element will not go on. Raise the temperature setting another 10°-20° then press the heating button. The red indicator light should then go on and the displayed temperature should begin to rise.

**CARE, CLEANING, MAINTENANCE, and REPAIRS**

The VM3™ is a precision, hi-tech device with a powerful battery and some very sophisticated and delicate electronic circuitry, including a central processing unit [CPU]. Therefore, treat it and care for it like you would a cell phone, digital camera or computer.

Do not expose it to extreme heat, cold or moisture. Do not immerse it in water or any liquid and do not get it wet. Do not drop or handle the unit in a rough manner. Never force the operation of any of the removable or moving components.

Clean the vaporization chamber, the vaporization chamber compartment, and the internal screens after use. You can clean any loose tobacco or herb out of the vaporization chamber and the vaporization chamber compartment by gently shaking or blowing it out or using the tweezers or brush in the cleaning kit. You can also use a cotton swab. If you prefer to not use the mesh lids in the vaporization chambers, you must be especially careful to keep the upper internal screen clean and free of debris. This can be accomplished with either the brush or the tweezers, or

both. The tweezers in the cleaning kit are angled so you can reach the upper screen. If after using the brush and tweezers there is any residue still remaining on the screen, hold a tiny cotton ball moistened with alcohol with the tips of the tweezers and clean the screen just as you would with a cotton swab. Be careful not to damage the screen.

Should the internal screens in the VM3 become so clogged or dirty that you cannot clean them, or any part of the mouthpiece-vaporization components become obstructed, call Chiro-Tec Inc., at the toll free number to receive a return authorization number and instructions as to how and where to ship the unit so a trained technician can clean, repair or replace any needed part.

Like any mechanical-electrical battery operated device, the battery and the many parts and components that make up the VM3™ can break, wear out or fail over time. However, the superior design of the VM3™ allows our technicians to make any necessary repair or replace the battery or other components for a very nominal charge. Likewise, extra ceramic vaporization chambers, mesh lids, chargers, brushes, tweezers and carrying cases are available.

Do not under any circumstance attempt to disassemble or take apart the unit. Any attempt to do so may damage the internal components and will void the warranty.

### **Warranty**

The VM3™ carries a 10 day 100% satisfaction money back guaranty, a one year warranty on parts and labor and

a six month warranty on the battery. If you are not completely satisfied call Chiro-Tec for a return authorization number then return the complete and undamaged unit back for a complete refund. We believe the VM3™ is the best vaporizer on the market and we want you to be completely satisfied.

The VM3™ is a sensitive piece of scientific equipment. It should be handled with care and never dropped or tapped on any hard surface as this could damage the delicate heating element and temperature control circuitry, and cause possible premature failure. As with any electrical device, extreme care must also be taken around water or other fluids to avoid shorting or damage to its electrical components. Evidence of such damage or tampering with the unit will void the warranty.

#### **CONDITIONS OF SALE-DISCLAIMER- CONDITIONS OF SALE**

Thank you for your purchase of the VM3™. As indicated earlier, you have just purchased a one of a kind device that revolutionizes the concept and method of vaporization. Under no circumstances should the VM3™ be used with any illegal substance. The proper and legal purchase and use of this device by one 18 years old or older is a condition of sale. Therefore, by purchasing this device you are agreeing to the above terms and conditions, and to only use the VM3™ in a proper and lawful manner as intended by the manufacturer. Any illegal use of this device could subject the user to severe fines, penalties and/or imprisonment.

This device is only to be used by, in the presence of, or with the advice and assistance of someone trained in the fields of aromatherapy, naturopathy, phytotherapy, herbology, and natural, organic, or alternative healing. Likewise, only legal, safe, known, and identifiable and commercially developed and marketed essential oils, tobacco, herbs, or botanicals should be used in this device.

Keep this device and all aromatherapy, botanical and tobacco products out of the reach of children. Study carefully all of the instructions in this brochure before using the VM3™. Even commercially marketed botanicals, herbs and tobaccos can be dangerous. Tobacco, for example, contains nicotine, which is a poison.

Just as the Surgeon General has determined that smoking tobacco [or any other herb or botanical in our opinion] can be hazardous to your health and can cause a variety of other diseases or conditions, an overdose of nicotine can be fatal. Never use more than one ceramic vaporization chamber filled with tobacco within any 30 minute period. Moreover, do not vaporize or volatilize any material without research, training or guidance. In this regard, a list of books, manuals, articles and research documents on aromatherapy, herbology, botanicals and phyto-inhalation can be found on our website, [www.volatizer.com](http://www.volatizer.com).

The information contained in this instructional brochure and cautionary instructions, and all of the documents and literature included with and accompanying the VM3™, were developed for informational purposes only. In no way is any of the information contained in these

documents intended to be a medical or prescriptive guide or to be used for diagnosing or treating a health problem, condition or disease.

No essential oil, herb or botanical should take the place of any prescribed medication. Neither the manufacturer nor the seller of the VM3™ can be held responsible for the misuse of this device or the misuse of any essential oil, herb or botanical. You, the purchaser and/or user of this device, are responsible for your own actions.

If pregnant, nursing or diagnosed with epilepsy, a heart condition, allergies or any other medical condition, seek the advice and assistance of a physician or trained health care professional before using the VM3™, or any other vaporizer for that matter, or any essential oil, herb or botanical.

If you believe or suspect that you have a medical problem or condition, do not use the VM3™, or any other vaporizer, and promptly contact your doctor or health care provider.

**CHIRO-TEC INC.  
612 Calle Plano  
Camarillo, Ca, 93012  
U.S.A.  
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[www.volatizer.com](http://www.volatizer.com)  
[www.vm3revolution.com](http://www.vm3revolution.com)**

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